

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (currently amended) A spreading system for a vehicle having an electrical system, said system comprising:
 - a hopper;
 - a conveyor positioned within said hopper;
 - a first electric motor interconnected to said electrical system of said vehicle;
 - a high efficiency conveyor drive system interconnected to said conveyor belt and coupled to said first electric motor;
 - a second electric motor interconnected to said electrical system of said vehicle;
 - a spreader communicating with said hopper and coupled to said second electric motor.
2. (original) The spreading system of claim 1, wherein said high efficiency conveyor drive system translates between about 90 and 95 percent of the power received from said electric motor to said conveyor.
3. (original) The spreading system of claim 1, wherein said conveyor drive system comprises a chain and sprocket driver.

4. (original) The spreading system of claim 1, wherein said conveyor drive system comprises an eccentric cycloid disc speed reducer.

5. (original) The spreading system of claim 1, wherein said electrical system comprises a battery.

6. (original) The spreading system of claim 1, wherein said spreader is a spinner disc.

7. (original) The spreading system of claim 1, wherein said conveyor is a conveyor chain.

8. (original) A spreading system for a vehicle having an electrical system, said system comprising:

a hopper;

a conveyor positioned within said hopper;

a first electric motor interconnected to said electrical system of said vehicle;

a high efficiency conveyor drive system comprising a chain and sprocket driver interconnected to said conveyor and coupled to said first electric motor for translating between about 90 and 95 percent of the power received from said electric motor to said conveyor; and

a second electric motor interconnected to said electrical system of said vehicle;

a spreader communicating with said hopper and coupled to said second electric motor.

9. (original) The spreading system of claim 8, wherein said spreader is a spinner disc.

10. (original) The spreading system of claim 8, wherein said conveyor is a conveyor chain.